

REMARKS

Reconsideration of the application is respectfully requested.

1. Examiner has rejected claims 1- 10 under 35 USC 102(b) as being anticipated by the Manella reference (US 3,002,047). With respect, it is submitted that the Manella reference discloses a patentably distinct cable than the claimed cable herein.

(a) Dealing first with claims 6-10, please note that independent claim 6 recites a cable "consisting essentially of" the two elements listed. The Manella reference teaches a coaxial cable that has (1) a central conductor, (2) five layers of dielectric sheathing, (3) an metallic outer braid conductor, and (4) an outer stainless steel hose. It is critical in Manella to achieve complete isolation between the central conductor and the outer conductor. Therefore, the claimed invention omits elements (2) and (3) taught by Manella. Accordingly, Manella cannot anticipate claim 6, which is limited to cables consisting essentially of a central conductor with terminal lugs and a hermetically sealed sheath.

(b) Claim 1 is also patentably distinct from the Manella reference. Manella does not teach a terminal lug hermetically sealed to the sheath, which causes the entire conductive core to be hermetically sealed within the sheath. Claim 1 has been amended to clarify that the entire conductive core is sealed. As may be plainly seen in Figure 2 of Manella, one end of the conductive core protrudes from the end connector (19). The end connectors cannot be used in a hot zone because the protruding conductor would quickly corrode. In the present invention, because the conductor is fully encased in the sheath, and is not exposed at the ends because the sheath is sealed to the terminal lugs, the entire cable may be used in a hot zone.

(c) Claims 1 and 6 have also been amended to remove the limitation of flexibility. This is not an essential element of the invention. Claims 4 and 9 have been amended to introduce flexibility as a limitation in a dependent claim.

Therefore, it is respectfully submitted that claims 1 and 6 are free of the prior art. Claims 2-5 and 7-10 are dependent on claims 1 and 6 respectively and are also patentably distinct from the prior art.

CONCLUSION

In view of the foregoing remarks and amendments, it is respectfully submitted that this application is in condition for allowance and allowance thereof is respectfully requested.

Respectfully submitted,

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1. Petition for One Month Extension.
2. Credit Card Payment Form